



Operating instruction SR 63 Compressed air hood

General information

Sundströms compressed air hood SR 63 is a continuous flow compressed air line breathing apparatus in approved according to EN 14594:2005.

If you have any questions regarding the selection and maintenance of equipment, consult your work supervisor or get in touch with the sales outlet.

You can also contact the Sundström Safety AB's Technical Support department.

Use of a respirator must be part of a respiratory protection program. For advice see EN 529:2005 or AS/NZS 1715:2009.

The guidance contained in these standards highlights important aspects of a respiratory protective device program but does not replace national or local regulations.

When selecting equipment for SR 540 some of the factors that should be taken into account are as follows:

- Type of pollutant
- Concentrations
- Work intensity
- Protection requirements in addition to respiratory protective advice.

Risk analysis should be carried by a person who has suitable training and experience in the area.

Instructions for use for SR 63 should be read before use.

2.1 Unpacking

2.2 Packing list



Check that the equipment is complete in accordance with the packing list, and that no transport damages have occurred.

- Hood with breathing hose
- Control valve
- Belt
- Flow meter
- Protective film
- User instruction

2.3 Functional check



On every occasion before the hood is used, check that the air flow - measured in the hood - is at least 150 l/min.

- Connect the breathing hose of the facepiece to the control valve.
- Connect the compressed air supply tube to the control valve.



- Turn the control valve knob anti-clockwise as far as it will go, in order to throttle the air flow rate to a minimum.



- Place the hood in the bag and grip the opening of the bag so that it seals around the breathing hose.



- Grip the flow meter with the other hand and hold it so that it points vertically up from the bag.
- Read the position of the ball in the tube. It should float level with or just above the marking on the tube.

If the flow rate is below the minimum value, check that

- The flow meter is vertical.
- The float can move freely.
- The air supply is not restricted by kinks or other restrictions in the hoses.

2.4 Putting the hood on



- Put the belt on and adjust the length.
- Arrange the control valve in a way that allows easy adjustment of the flow rate and a strict watch over the breathing hose, i. e. it must not be placed on the back of the waist.



- Connect the breathing hose of the hood to the outlet of the control valve.
- Unroll the compressed air tube and make sure that it is not twisted.
- Connect the tube to the control valve inlet.



- The hood is now being supplied with air, and you can put it on. If necessary, the width and height of the head harness can now be adjusted.



- Adjust the neck width of the hood by means of the elastic neck strap.



- Use the control valve knob to set the air flow rate to suit the work intensity. In the fully closed position (turn anti-clockwise), the flow is around 150 l/min, while in the fully open position (turn clockwise), it is around 240 l/min.

2.5 Taking the hood off



Leave the work area before taking the hood off.

- Release the neck strap by releasing the buckle. Grip the top part of the hood with both hands and pull the hood upwards/forward.



In emergency situations, the neck strap can be released without releasing the buckle:

Grip the neck strap with one hand on each side of the buckle and pull firmly.



Releasing the compressed air tube / breathing hose
 Both couplings are of safety type and are released in two stages.

- Push the coupling towards the nipple.
- Pull the locking ring back.

4.1 Cleaning



Use a piece of soft cloth or a sponge dipped in a solution of water and dishwashing detergent or the like. Rinse and leave to dry.

In the event of more serious soiling, white spirit or similar degreasing agent can be used. Then wash with dishwashing detergent solution, rinse and leave to dry.

4.2 Storage

After cleaning, store the equipment in a dry and clean area at room temperature. Avoid direct sunlight.

4.3 Maintenance schedule

	Before use	After use	Annually
Visual inspection	●	●	●
Functional check	●		●
Cleaning		●	
Change of breathing hose			●

The schedule shows the minimum requirements on maintenance routines to assure the user that the equipment will always be in usable condition.

4.4.1 Visor/frame



Proceed as follows to change the visor/frame:

- Release the head harness which is secured by means of two socket-head screws at the top corners of the frame.



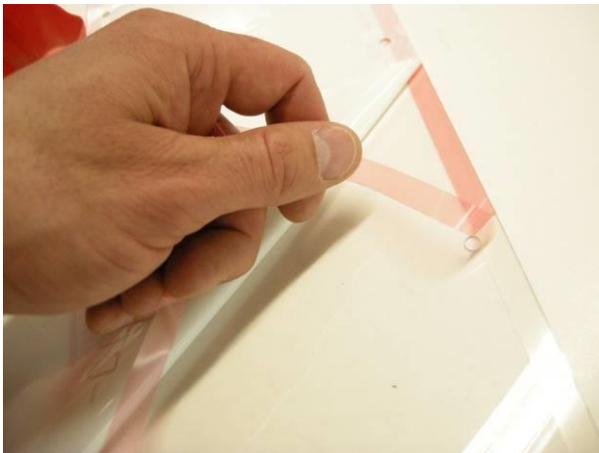
- Pull off the 8 rubber studs, and remove the frame and visor.



- Straighten the frame or fit a new frame, and place it on a flat surface with the short side towards you. Fit 4 studs into the two furthest holes on each side.



- Place the hood over the frame and insert the 4 studs into the corresponding holes in the hood.



- Remove the protective films from the visor and from the double-sided adhesive tape.



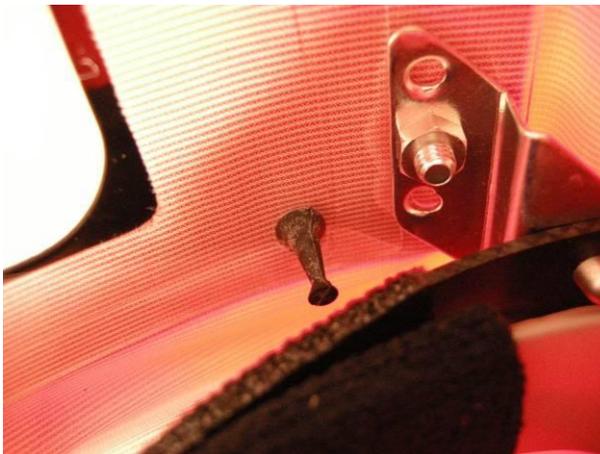
- Fit the visor, with the tape facing downwards, over the rubber studs. Bear in mind that the holes for the head harness screws must be oriented in the same direction as the hood and frame. Secure with the studs, possibly using a pair of pliers.



- Bend the frame to the required shape. Align the vacant holes for the studs in the frame, hood and visor. Insert the studs and secure them by pulling the studs from the inside of the hood. The simplest procedure is to fit one stud at a time.



- Press the visor towards the frame all round, so that the tape will stick to the hood material.



- Fit the head harness. Make sure that the beads in the mounting plate of the head harness are oriented into the guide holes in the visor. Finally, check that the work has been correctly done.

4.4.2 Head harness adjustment



The width and height can be adjusted with the head harness in place in the hood.

To adjust the width
Use the knob in the rear part of the head harness to adjust the width.

Turn the knob clockwise to reduce the width and anti-clockwise to increase it.



To adjust the height
The head strap of the head harness consists of two halves.
The upper half runs in a groove in the lower half. The position is determined by means of a pin in the lower half that engages in one of the holes in the upper half.

4.4.4 Breathing hose



To change the breathing hose, proceed as follows:

- Release the hose from the control valve.



- Release the hose from the hood by cutting off the hose clip with a pair of nippers.



- Thread the hose clip supplied onto the new hose, and connect the hose to the hose nipple of the hood.
- Secure the hose clip by means of the pincers.

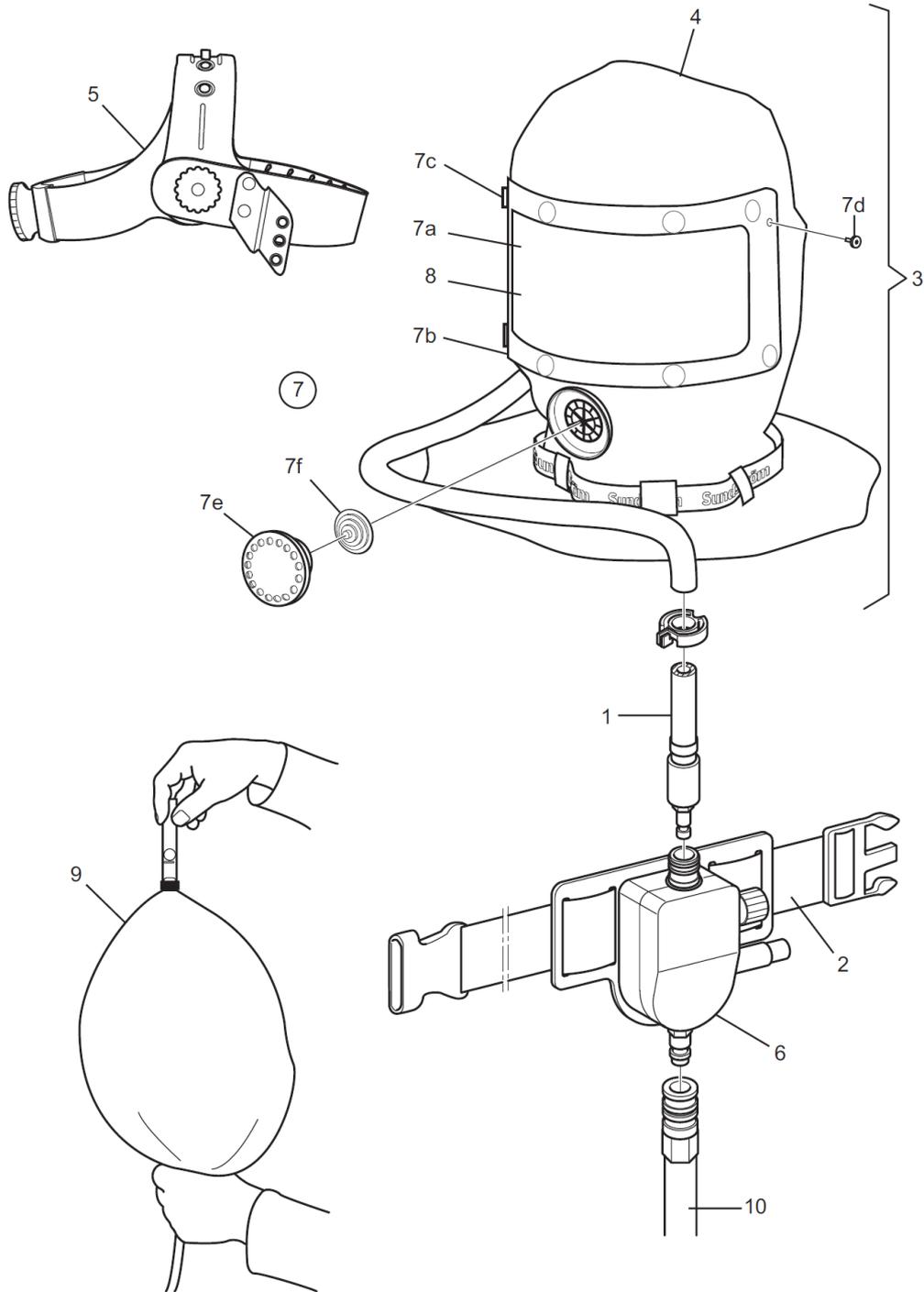


- By pulling the hose, check that it is firmly secured to the hood.

SR 63

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Spare parts / Accessories



No.	Description	Ordering No.
1.	Breathing hose	R03-0311
2.	Belt	R03-1510
3.	Hood excl. control valvel	R03-0314
4.	Hood, bare	R03-0305
5.	Head harness	R03-0322
6.	Control valve SR 348	R03-0317
7.	Repair kit	R03-0308
7a.	Visor	R03-0306
7b.	Frame	-
7c.	Rubber stud (8 pcs)	R03-0112
7d.	Screw (2 pcs)	-
7e.	Protective cap	-
7f.	Membrane	-
8.	Protective film	R03-0105
9.	Flow meter	R03-0346
10.	SR 358 Plastic hose 5/10/15/20/25/30 m	-
	SR 359 Rubber hose 5/10/15/20/25/30 m	-
	SR 360 Spiral hose 2/4/6/8 m	-